EL PASO HERALD

and April, 1881. The El Paso Herald includes also, by absorption and also, The Daily News, The Telegraph, The Telegram, The Tribuna, The Graphic, The Sun, The Advertiser, The Independent, The Journal, The Republican, The Bulletin.

MEMBER ASSOCIATED PRESS AND AMER. NEWSP. PUBLISHERS' ASSOC Entered at the El Paso Postoffice for Transmission at Second Class Rates.

Deficated to the service of the people, that no good cause shall lack a champion, and that evil shall not thrive unopposed.

TERMS OF SUBSCRIPTION.

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The Association of American Advertisers has examined and certified to the circulation of this publication. The detail report of such examination is on file at the York office of the Association, No

HEPALD TRAV-ELING AGENTS. Persons schicked to subscribe for The Herald should beware of impos ters and should not pay money to anyone unless he can show that be

El Paso has a mighty good name all over the country as a starter; let us try now to build up a better reputation as a finisher. We are a little too apt to start new enterprises before we provide means to bring to successful consummation the plans already in hand. "Don't start anything you can't finish," is a good old frontier maxim that we can apply to advantage right now in our own

El Paso As a Fire Risk

VERY business man ought to give thorough study to the report, just published, of the committee on fire prevention of the National Board of Fire Underwriters. This is the first general report on El Paso in five years, and it takes account of all the public improvements and the general growth of the city right up to the date of issue. It is the result of a thorough investigation made last month by a party of four engineers, specialists in particular lines relating to fire hazards, fire prevention, and insurance risk.

It is a mighty good thing to have the exact facts as to the fire hazard and protective facilities in this city laid before us by a committee which in the nature of things is absolutely impartial and unprejudiced. There is evidently much room for improvement of local conditions, and this improvement must come about not only by the enforcement of municipal regulations, but also by the individual and cooperative efforts of property owners and tenants.

The report states that El Pase's average fire loss is high as compared with other cities of this class. The principal object of the work of inspection carried on by the National Board of Fire Underwriters is the prevention of fire: first, through fireproof and fire resistant construction of buildings and wise city planning; second, through providing every possible facility for preventing the spread of incipient fires.

The El Paso report is a severe scoring of local conditions. - Structural conditions, especially in the well built up business center, are approved only in small part. The fire department and apparatus are deemed inadequate to cope with serious fires. Emphasis is laid upon the fact that there are no cities near us upon which we could call for aid in the event of a conflagration.

As to building construction, the strict enforcement of the present building regulations for all new structures will go far to improve the general situation-Changes in old structures will of course have to be gradual so as to impose no undue burdens upon property owners and tenants.

anges in old structures will of course have to be gradual so as to impose no line burdens upon property owners and tenants.

It is a severest criticism and the most urgent recommendations are made the respect to the municipal water supply. The present plant in practically ry particular is reported to be inadequate to meet the present needs of this city.

It is a severest of the past to severest of the past to severest of the past tons, valued at \$301,230.

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For each ton of coal mined in 1895 the severest criticism and the most urgent recommendations are made they gave up the secrets of the past tons, valued at \$301,230.

For each ton of coal mined in 1895 the seams. This means 55,200 when one was discovered in the hills above Petra, the ancient capital of ton and in 1909 at \$2.27. The productive and the crush the product to a fine through a fine crushing rock breaker, were made of known area and 53,000 square they gave up the secrets of the past.

It is a series of the past tons, valued at \$301,230.

Note that they gave up the secrets of the past.

It is a series of known area and 53,000 square they gave up the secrets of the past.

It is a series of the past.

It with respect to the municipal water supply. The present plant in practically every particular is reported to be inadequate to meet the present needs of this city. The criticisms are based for the most part not on any inferiority in the plant as installed, but on inadequacy of plant, sources of present supply, storage, and facilities for distribution. The condemnation of the water supply system is quite general and it has a direct bearing on the existing controversy; but the report shoud be read and studied in full, and individual conclusions based on the whole state of facts and not on preconceived ideas and fragmentary information.

The Herald's southwestern news service is unparalleled for completeness and general interest.

The El Paso Herald publishes more original general mining news covering the whole southwestern mining country than any other newspaper.

It is time to begin work for our 1910 El Paso fair. These are the golden days to push any such undertaking, for the summer is rapidly coming on, a season when such movements tend to stagnate.

The non-resident would have to subscribe to 50 newspapers in order to keep up with southwestern development as well as he can do through the El Paso Herald alone.

The Poetry Of the Dry Farmers

COME of the greatest poetry the world has ever known is written without fixed meter or definite rhyming; for instance, the Song of Solomon, and the Psalms. Some of the best poetry that is appearing today may be found in the more or less obscure farm papers contributed to by men who live close to the soil. Take for instance this little gem in blank verse:

"The clouds begin to gain in moisture,

"Growing before our very eyes "Until the point of saturation is reached;

"They can hold no more-

"The flood gates are opened and we get a shower.

"When our hygrometers show plenty of moisture in the air "And we hear the train whistles afar

"We know that almost any cloud will make a rain;

"But when the air overhead is dry

"Then our clouds go floating by

"To raise crops in Kansas and Nebraska."

Poetry as good as that we will publish for only double the regular advertising rates. For ordinary poetry we charge three times the usual card rates and even when the poets are ready to pay this price we have to limit our space for such undesirable advertisements.

A better system of reports and written records might be devised for the police department.

John D. Rockefeller does not receive many bouquets, but here is one that he deserves: he is 446 times as modest as Andrew Carnegie.

the territory, showing vigorous independence and original thought.

You don't always have to go to the big cities to find well edited newspapers. The Hagerman (N. M.) Messenger carries one of the strongest editorial pages in

We fret about a little dust, when in the north the people in the cities did not catch a sight of the paved surface of the streets for more than four solid months. The streets were covered during that time with a sheet of ice from two to eight inches thick. Train service in this section has gone on uninterrupted all winter, while on the northern roads it has been seriously hampered for periods of 100 to

The labor unions have endorsed the Citizens' ticket for the school board election. There does not seem to be any overwhelming popular demand for the return of the old members for another term. Let voters keep in mind that this is a fight for the control of the board. If the Citizens' ticket be elected at the coming election, the board will have a majority for progressive, economical management.

TNCLE WALT'S Denatured Poem

S HE is a vain and foolish lass; she stands before her looking-glass, and fusses with her pins and rats, and tries on half a dozen here. with her pins and rats, and tries on half a dozen hats, and fixes doodads in her hair, and tints her cheeks, already fair. And when she's fooled three hours away, and she appears, in glad array, she isn't half as nice and neat, she isn't half as slick and sweet as she appeared, four hours ago, when she was wearing calico. If she would take the time she fools away

BOUDOIR

with paints and curling tools, and read some books, of prose or rhyme, she'd get some value for her time. She pads her head outside with rats, machine made hair and monster hats; and gladness might with her abide, if she would pad her head inside. For beauty is a

CIAHHH ORLE

transient thing; the hurried years are on the wing; the dazzling maiden of today will soon be haggard, worn and gray; and in life's winter, when she sits beside her lonely hearth and knits, it will not lessen her despair, to think of rats she used to wear. But if her mind is stored with gold from books the sages wrote of old, with ancient lore or modern song, the days will not seem drear and long; life's twilight will be calm and fair, and loneliness will not be there.

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Walk Mason

To-

(From The Herald of this date, 1896)

day Grand Jury Empaneled for Term.

eferred to the international boundary mmission for settlement.

head, J. P. Dieter, John Sorenson, O. G. struct a railroad in Chihuahua, Sonora Secton, W. J. Fewel, R. C. Lightbody. and Lower California. Frank Del Buono, S. J. Freudenthal. The Congregational henry Pfaff, W. N. Small, Z. T. White. has grown in a few week. James Doyle has secured permission to disinter the body of his brother in Juarez and the funeral will be held St. Clement's church last night by from the Juarez cathedral this after- bishop Kendrick.

J. M. Page is in the county jail charged with raising \$1 bills to \$50 by the use of cigar stamps. His hearing will be held before commissioner Sexton tomorrow morning.

Ben Ferguson has been arrested on League at San Antonio, omplaint of R. C. Lightbody from The El Paso Presb whom he secured 50 cents toward the shows a total membership of 66. urial fund of J. T. Doyle. He is

\$790.50, and from May, 1895 to Febru-ary, 1896 the cost was only \$239.50, this being accomplished by the chief of po-\$2.90; copper, 10 4c; Mexicon pesos, 53c,

Max Weber has received word from lice who permitted prisoners to return inister Romero, of Mexico, to the efect that the Mills dam project may be ments on their fines.

The S. P. traveling auditor is checking up the city office today.

Foster Higgins and other New York-The grand jury was empaneled this morning with H. C. Myles as foreman, the other members being C. R. More-cessions granted Louis Huller, to con-

> The Congregational Sunday school has grown in a few weeks from 8 to 20 members. Seventeen persons were confirmed at

The lilac bushes about town are all

blooming. The Misses Della Mckle and Constance Oxley and Mr. Peters have been chosen by Trinity church as delegates to the state convention of the Epworth

The El Paso Presbyterian church A man named Walsh was driving a bronco down San Francisco street las From May, 1394, to February, 1895, the city jail feed bill amounted to ened and threw him out but he was not

dition, of possible area.

than 2,000,000 tons.

Supply for 3000 Years.

Mr. Campbell estimated that the or-

Production by Years.

The following table shows the pro-

MINING NEWS.

MINING NEWS.

Coal and Lignite Production Of Texas

By William B. Phillips, Director Bureau of Economic Geology, University of Texas.

The production of bituminous coal in | lignite areas are those of M. R. Camp-Texas in the year 1909 was 1,144,108 bell, of the United States geological short tons, valued at \$2,714,630. This survey. He gives \$200 square miles of 1895 when separate returns of coal and able seams. This is a total of 13,500 ignite were first rendered, the produc- square miles of known and possible ion of bituminous coal was 360,616 area. For lignite he gives 2000 square

by actual returns sent to this bureau. This may be augmented by additional returns, but it is not likely that the additional amount will be more than 35,000 tons. The value of the lignite was \$592,221,-or an average of 82.8 cents per ton. There was a decrease in lignite of about 100,000 tons from the production of the year 1908.

Coal Producing Countles. coal producing countles are Erath, Palo Pinto, Parker, Wise and Young, in the northern field, and Maverick and Webb in the southwestern Perhaps a better nomendature would be Colorado and Rio Grande, as the northern field is north and northeast of the Colorado river and the southwestern field is along the Rio Grande. The lignite producing countles are: Bastrop, Fayette, Hopkins, Houston, Leon, Medina, Milan, Robertson and Wood.

ouston, Leon, Medina, M n and Wood. The latest estimates of		duction and	d value of coal com 1895 to 1905	and lignite
95	Coal Tons.	\$ 801,230° Value. 747,872 792,838 968,871 1,188,177 1,350,807 1,655,736 1,326,155 1,289,110 1,652,992 1,684,527 1,779,890 2,062,918 2,580,991 2,714,630	Lignite 124,343 Tons. 167,939 216,614 196,419 196,421 252,912 393,155 205,907 267,605 421,629 391,533 472,888 707,732 847,970 715,151	111,908 Value, 148,379 179,485 170,892 146,718 231,307 251,288 151,090 216,273 230,644 284,031 399,011 715,893 838,490 592,421
	10,767,866	\$22,596.544	5,488,218	\$ 4,767,830

The total production of coal and lignite during this period was 16,256,084 tons, valued at \$27,364,374. The average value of the coal during this period was \$2.10 per ton at the mines. average value of the lignite was 86.6c

SHAFT DOWN 1200 FEET; PRODUCTION AT SHATTUCK.

Bisbee, Ariz., March 30 .- The Briggs shaft of the Superior & Pittsburg has reached the 1200 foot level. A pump is being installed at that level and a drift has been started headed for the Junction and Hoatson shafts. It is general opinion among mining experts that the Briggs shaft will be, in the future, one of the largest producers in the district

Three hundred mine cars of ore are eing hoisted every 24 hours at the Shattuck. These ores are the highest grade in the district, averaging better than 20 percent copper. A big deposit of sulphide ore is in sight at the 900 foot level. Great quantities of ore have been blocked out in other levels.

ORE AND GRANITE IS SHIPPED FROM MARATHON.

Marathon, Tex., March 36 .- The Boquillas Mining company has shipped some cars of ore from here.

Parkinson has shipped several cars of grahite. He has discovered a ledge of gray granite that his expert says is the finest in the state and he will rush the work on the new quarry.

V. M. Robinson of the Robinson Manufacturing company, of St. Louis, is here today. The Robinson Manufacturing company recently sold on approval the automobile fire engine which the city is now trying out.

New Equipment Installed at Keystone Mine in Arizona Camp.

Mineral Park, Ariz., March 30 .- Mineral Park, one of the oldest mining camps and second county seat of Mohave, is active again after years of the largest of the old time producers of gold and sliver, which is now under bond to a Los Angeles company, the new equipment, consisting of a 100 horsepower boiler, 50 horsepower hoist, air compressors and electric generator has all arrived and is being rushed into

The main shaft has been retimbered throughout its 260 feet and a new gallows frame nearly completed. Work on water and oil tanks, of 11,000 gallon capacity each, is also well under way. The Young Construction company, of Los Angeles, which recently completed the Tom Reed mill in this county, has the contract for the erection of the machinery.

Big Tonnage in Sight.

Archeological Research

SUCCESSFUL EFFORT TO READ RIDDLES OF PAST.

Frederic J. Haskin

HE recent discovery of an ancient of the Bible, has been found and posttablet confirming the Bible story of the deluge has been welcomed the truth of the references of Jere ose orthodox Christians and Jews | miah. Ruins of Babylon. who have faith in the historical accuof the old testament as further

or doubts nearly all of the ancient hero

Pennsylvania is regarded as a long step forward in the campaign of archeological research that is being carried forward with such rich fruitage in Egypt and the Holy Land. Orthodoxy points out that it is remarkable coincidence that when higher criticism seemed to be most successful in attacking the truth of the Bible, the strongest kind of evidence should be forthcoming in vindica-

tion of its historical securacy. Systematic Research, The 19th century marked the beginning of the systematic archeological research and philological study which re sulted in the 'higher criticism," and which also is now being used by the faithful to refute all doubts and criticisms. Beginning with the finding of the Rosetta stone by Napoleon's expe-dition to Egypt and coming down to the present day there have been many dis-coveries and translations of hitherto unknown and unreadable documents and nonuments which bear out and confirm

The higher critics, some of them de structive and some of them prefessing to be constructive, have based much of their criticism upon archeological work, also, but the orthodox believers now claim to have the better of the contest. The record of triumph of research to the credit of the believers in the Bible is a long one. For instance, the critics attack the 14th chapter of Geneals, saying that the Battle of the Kings therein celebrated was no more than a myth in-vented to glorify the reputation of Abram. But the archeologist has found tablets of that time which practically bear out the story in all its details. Ur of the Chaldees was but a mythical city, said the critics. But the archeologists have located that ancient city which was the birthplace of the Patriarch.

Mysteries of Egypt.

When the 19th century began not a word of the inscriptions of the temples and monuments of Egypt and Assyria could be read. Then came the discovery of the Rosetta stone with its inscription in three languages, which afforded the key to unlock the mysteries of Egypt. The hieroglyphics were deciphered, the language was learned and the whole story of the political and social life of ancient Egypt was retold to mankind after 4000 years of silence.

Even more wonderful is the story of the opening up of the mysteries of Babylon and Assyria. On the great rock of Beheston, over 2000 years ago, Darius caused to be inscribed in three languages the record of his triumphs, This rock is 1700 feet high and the inscrip-tion is 300 feet above the base.

British army officer, climbed up to this is the largest production in the history of coal mining in Texas. In the year in addition that may contain workpublishing a complete translation. Later the mounds of dust which covered the ancient sites of the cities of Babylon and Nineveh, were located, and tion of lignite in 1909 was 715,151 tons nite area would thus be 10,200 square lated, and the Orthodox claim that this miles, with 58,300 square miles, in ad- application of the acid test of archeol-

made of the pure gold of truth. Riddles of the Past. The layman has little notion of the vast sums of money and the great iginal supply of coal in Texas was 8,000,000,000 tons and of lignite 23,000,amount of patient toil being expended to read the riddles of the past nor has ! 000,000 tons, or a total of 31,000,000,000 600,000 tons, or a total of total coal and lignite. We he any adequate knowledge of the great its nature. mined over 19,800,800 tons of fuel penditure of means and pains. King Edward and emperor William have taken great interest in the work, the British monarch as the patron of the Palestine exploration fund and the German keiger. and have enough left for 3000 years, allowing that the production should be 10,000,000 tons a year instead of less It is fair to assume a loss of 11/2 tons man kaiser as the finincial backer of for each ton mined, so that our total the German researches in Mesopotamia.

There need be no apprehensions whathand, there being a dozen American

soever in respect of a failure of our societies constantly engaged in the fuel supply for at least 3000 years yet. The recent discoveries on the Nile island of Elephantine, consisting of papyri deposited in the British museum, have added no mean testimony to the truth of the scriptures. Many Biblical critics have insisted that the Books of Nehemiah and Bzra were more or less

ing to learned Egyptologists, dissipate these doubts by most forceful evidence.

They are said to show that the kings The Elephantine inscriptions, accord-They are said to show that the kings of Judea sold their subjects to the Egyptians for warriors, taking horses for their own use in exchange. The Book of ologists will be thanked for giving to Ahlkam, hitherto known only by name, the world the setting in which was en-is proved to have actually existed and acted the great historical drama through many extracts from it were found in the Elephantine papyrl.

excavations at Memphis the palace of Aperies, the Pharoah Hophra Society,

granite and porphyry, is from 6 to in free milling gold blocked out in the 40 feet wide and outcrops for over 5698 feet. Its ores are the usual lead, zinc. Supt. Dan S. Richards has estab-copper and iron sulphides of the Cerbat lished a camp, built wagon roads and range and carry high values of gold started actual development at the Fairand sliver in addition. There are about 7000 tons of ore on the dumps, aver- Graves and Marshall to the White comaging \$14 per top, and about 14,000 tons pany, of Lima, O. Two old tunnels are nore in the stopes already broken, all of which represents ore thrown aside as worthless when the mine was being | 400 feet. werked for gold and sliver alone.

There is still very rich ere being encountered in the mine, some of which found recently assayed as high as 1500 ounces in silven but it is upon the large tonnages of the lower grade sulphides that a profitable production is estimated.

S. R. Porter is manager of the Keystone and several other Mineral Park properties. One of these, the Molly, a deposit of lowgrade copper from \$500 to 700 feet wide, will be prospected soon by a shaft and by churn drills. The Venture Exploration company, of

Duluth, with J. P. Hamilton superintendent, is sinking a new shaft on the Oneida, near Stockton Hill. A larger hoist has been installed with which Hamilton proposes to sink 400 feet hefore cutting stations. The same company, operating the Cactus mins at Globe, made a record by sinking 540 feet in 90 days, which for hand drilling has probably never been equaled.

Final details of the sale of the Dandy Hall to J. P. Hutchinson, of Chicago, have been glosed. Hutchinson proposes to continue the present 230 foot The Keystone ledge, which occurs in 10,000 tons of ore averaging \$15 per ton not a bad combination."

tively identified, thus demonstrating

In Babylon the very palace of Nebu-chadnezzar has been laid bare by the justification of their stand against that chadnezzar has been laid bare by the form of 'higher criticism' which denies pick and shovel of the archeologist. The German work is proceeding regularly, but it is believed that years will be reales of the Hebrews.

The translation of the deluge tablet of the buildings associated with the present of the university of the buildings associated with the present king. That the palace of the great king. That the task is a huge one is indicated by the fact that some of the walls unearthed are 24 yards thick. What is supposed to have been the

> shazzar beheld, too late, the hand writing on the wall, has been excavated. In onnection with the feast of Beishazzar it is interesting to note that he was never king of Chaldea, the tablets found speaking of him until the day of his death at the hands of the Persian conuerer Darius, as "teh king's son." In the Book of II Kings it is recorded at Mesha, king of Mosb, was a sheepmaster who paid an annual tribute of wool to the king of Israel, but that after the death of Ahab he rebelled.

royal state dining room, where Bel-

In 1868 there was found on the east side of the Dend Sea n block of black besalt which bore a record of this revolt. Corresponded on Bricks. Excavations made recently at Baghaz Kein the ancient capital of the Hitties, have shown that the Bible description of that people was true. It appears that the archieves of the Hittite gov-eroment have been found and they show that the language of diplomatic inter-

course in that day was the tongue of Babylon, as it is that of France today. There was a regular correspondence on bricks, between the Hittite kings and neighboring monarchs. Many of these brick missives have been found intact, constituting some of the valuable "finds" in that region. As some of the letters are written both in the Intitite and the Babylonian language, it is hoped that a key to the Hittite inscriptions will be found. The Hittite empire was, only a few-years ago, regarded by some critics as being entirely mythical.

mythical.
One of the most interesting discoveries in Biblical archeology was that of the Tel el Amnras letters in 1887. Some Egyptians digging there found a cham-ber containing several hundred clay tablets. They were carried in a sack to Luxor before their value was recognized and many of them were broken and destroyed in transit. About 290 of the tablets were saved and most of them have been translated. These tablets proved to be a diplomatic correspondence and they relate to the condition of affairs in Canaan before that land was ed to the children of Israel.

High Pinces of Worship. The old testament is full of references to the high places where the heathen Even the prophets of the true God are shown to have gone into these high places. When Saul was seeking his father's lost asses he went to consult the Seer Samuel.

Samuel was going to the high place without the city to preside at a sacrificial meal. Saul accompanied him and took part in the feast which preceded his selection to be king of Israel. Later these high places became Seats of corruption and efforts to abolish them were made by Hezekiah and Josiah.

Gezer, where monolithe and obelisks still remain, the very 'standing stones" of the Canasnites which Israel was commanded to destroy and the like of which

Excavation Required.

Work in archeological research in Bible lands is now highly exacting in While an untrained archeologist may occasionally find a Moabite stone or something else of great value, the work above ground has been almost exhausted. Excavation is required, and the work has been begun in many ancient cities. The careless or inexperienced worker may do great damage, therefore only picked men are permit-

ted to engage in the research. The European and American societies endeavor to regulate all excavations, In the Holy Land permits for excavations must be obtained from the sultan of Turkey, and sometimes he imposes ham-

pering conditions.

To archeology as a science the is deeply indebted. The records of thou-sands of years of human endeavor have been rescued from oblivion. century man may know the political inzation long since extingished. many who value highly their belief in the record of the scriptures, the archewhich the religion of Jehovah has come

down to living man.

Tomorrow—The American Oriental

being extended and a third one started

The Redemption copper mine has resumed work on its new concentrating mill and it is expected to be in operation by May 1. R. J. Ferguson is su-

which will result in a backing of about

Gold Rond Property.

Road, reports that the ore being stoped in the east 500 feet between shafts 1 and 2, is a fine grade of milling ore and much better than was expected. The mill is giving good results and at the March production will be \$55,000 or better. Arrangements have been made for reducing the precipitates to bul- at the Calumet and Sonera, where the lion instead of shipping them as heretofore.

J. J. Brown, of Leadville, Colo., is examining the Ruth mine.

SAYS ORE IS RICH IN STRIKE NEAR GUAYNOPA

James W. Taylor, owner of the Mascot group in Guaynopa is at the Zeiger and says that he has seen samples from the new strike, 15 miles west of Guaymine, in the Weaver district, by Bill Suits, who is developing a rich gold claim near Morres, 15 miles west of the

"As Dr. W. R. Phillips remarked reshaft to a depth of 500 feet, and to cently in The Herald," said Mr. Taylor, begin at once the erection of a 20 stamp | "you can find gold in almost any vein mill and cyanide plant. There are about in that district, and gold and copper are

Mascot.

MINING NEWS.

GOOD ASBESTOS

Asbestos Production During 1909 Was Valued at \$87,625.

The production of asbestos in the United States in T909 was larger than in any previous year, amounting to 4025 short tons, valued at \$87,625. In 1908 the production was 1350 tons valued at \$24,000.

and valuable asbestos mines recently found is the one in the Grand Canyon of the Colorado. Recent advices state that a syndicate has been formed in the east to purchase the Asbestos owned by W. W. Bass of Phoenix, a pioneer guide and trail builder of the Grand Canyon. The property is sit-uated on the rim of the canyon, was located many years ago by Bass, who has traced the deposit for over a mile in length and has made a few ship-ments to demonstrate its quality and determine its, value, which is higher than the average market price on account of its unusually long fiber and fine texture. It is stated that the purchase of the properties involves the pay-ment of \$100,000, of which \$20,000 is to

be paid at once. Recently extensive deposits of asbestos have been found in the mountains southeast of El Paso, in El Paso county, Two distinct veins or zones occur within 10000 feet of each other. Ap-parently the veins are several feet wide. Both the amphibole and chrysotile va-rieties of asbestos occur. In the latter, fibers of from one to three inches in length are found at the surface. Being within five miles of railroad these veins should be profitable to work with the present and constantly growing

Plant Located Near Socorro and Sierra County

Line.

The 100-ton custom plant of the Black Range reduction works is to be located near the dividing line between Socorro and Sierra counties, New Mexico, in the heart of the mineranzed territory of the Black range. The milling and cyaniding plant will be substantial in construction and its equipment the most

modern in character.

Plant's Operation.

The gold-silver ores are to be conveyed from the mines by aerial tram-

ways, and upon delivery at the mill will be automatically weighed and dumped into receiving bins.

A grizzly for the separation of the coarse and tine ore is next provided the fines passing it into the mill ore bins, the oversize or coarse ore passing

mesh. This fine product is then further reduced in size, or reground in "tube mills" to what is known as a slime, and they were forbidden to rear beside the is delivered to this fine state it altars of Jehovah. when pulverized to this fine state it into which is incorporated a continuous slime filter process. The gold-silver solutions are then passed over a new type of zinc boxes for precipitating the metallic calues. This precipitate is then placed in a retorting furnace and

> As a safeguard for meeting future changes in character of ores of the district plans are made for installing plants for roasting, amalgamation and

Lifted by Electricity.
Each department of the works is to be lighted with electricity. A hydro-electric power plant is also planned to be

SANTA FE COMPANY

TO ERECT MILL Ores From Santa Fe. Montoya and Ventura Mines

to Be Treated. Douglas, Ariz., March 30 .- Pollowing close upon the success of a milling system installed at the Calumet & Sonora property, at Cananea, comes the announcement that the Santa Fe Mining company also is about to erect a similar mill to handle the ores of the Santa Fe, the Montoya and Ventura mines, owned by the Santa Fe com-

The company recently installed a new noist at the Santa Fe, and from one of the shafts started to drift towards the gelena ledge. The ore was struck before it was expected, and the ere has been followed for about 30 feet. In the tunnel, to the southwest, the same character of ore was encountered, and after following the drift for some disance a winze was sunk, which is still in the silver and lead ore. Then, about 200 yards from the Montoya and a mile closer to Cananea, the vein, which is decisively marked over the hills, was opened, and a silver, lead and zinc ore opened up. The company in the meantime had started a new drift from the Manager J. L. Phillips, of the Gold wagon road into the steep cliff between the Montoya and Santa Fe mines, and the ore was broken into here, where the

outcrop had been marked. A hundred horsepower boiler and engine have been sent out to the mine The mill to be erected will separate the zinc from the other bullion as is done process has proved a success.

The Santa Fe company has 3000 tons of ore on the Montoya dumps which will be operated on at once. It is calculated that the company will turn out 50 tons of ore a month.

MARKET VAULE OF

TUNGSTEN ORR The present value of tungsten ore in the United States is \$6.50 to \$7 per unit per ton of 2000 pounds for ore containnopa and they are very rich in gold. ing 60 percent of trioxide. This price is paid for ferberite, wolfranite and hueberite ores.

For special lots of very high grade ore more is paid, depending on the analysis, etc. Sheelite ores command from 50 cents to \$1.50 per unit less than the above prices.

The market for tungsten ores fluctu-